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	RT		International application No.			
			Time instituted appropriate tro-			
	SIFICATION OF SUBJECT MATTER					
IPC(7) : H ^{05B} 37/02, H ⁰ 1J 1/60 US CL : 315/129, 130, 131, 132, 360						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation scarched (classification system followed by classification symbols)						
U.S.: 315/129, 130, 131, 132, 360						
Documentation scarched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
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C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category *	ory * Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.	
A	US 5,570,077 A (SWIEBODA) 29 October 1996 (29/10/1996), the whole document,				1-12, 14-15	
! .	especially col. 4, lines 30-46,				1 10 14 16	
A	US 5,699,082 A (MARK5 et al) 16 December 1997, see Fig. 2.				1-12, 14-15	
1						
Further	documents are listed in the continuation of Box C.		See patent i	family annex.		
	coial estegories of clied documents:	-7,			mational filing date or priority	
"A" document	defining the general state of the art which is not considered to be		date and not i	n conties with the application with the investment	ration but cited to understand the	
of particu	ar ralavance	***	•		cialined invention cannot be	
"F" cadicrap	otab grilla larguament in after an or after the international filing date	"X"	considered no	vel or count be conside	red to involve an inventive step	
"L" document	which may throw doubts on priority cialm(s) or which is clied to		when the doc	iment is taken alons		
establish to specified)	he publication date of amother citation or other special reason (as	nAu		articular rolevance; the involve an inventive step	claimed invendon cannot be	
			combined with		documents, such combination	
"O" document referring to an oral disclosure, use, exhibition or other means						
*P" document priority da	published prior to the international filing date but later than the te claimed	a F u	document men	mber of the same patent	family	
Date of the actual completion of the international search			Date of mailing of the international search report			
10 November	2004 (19.11.2004)	27	JAN 2	2005	_	
19 November 2004 (19.11,2004) Name and mailing address of the ISA/US			officer)			
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